

**IN THE ABSTRACT:**

Please DELETE the Abstract in its entirety and substitute the attached new Abstract.

A signaling method relates to an intended data transmission from a first radio station to a second radio station in an ad-hoc mode of a radio communications system. The communication between the radio stations takes place in the as-hoc mode with the aid of a frequency band that is divided into a plurality of sub-bands, whereby one or more first sub-bands is/are assigned to the first radio station and one or more second sub-bands is/are assigned to the second radio station for the communication process. The radio station transmits an announcement of the intended data transmission to the second radio station on one or more sub-bands corresponding to a first number of sub-bands, the sub-band or bands of said first number of sub-bands corresponding to a first number of sub-bands, the sub-band or bands of said first number of sub-bands consisting of one or more of the first sub-bands corresponding to a second number of sub-bands, the sub-band or bands of said second number of sub-bands consisting of one or more of the first sub-bands and/or one or more of the second sub-bands.